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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

File the Application of: NAKAGAWA, Masao

Group Art Unit: 2684

Serial No.: 10/719,028

Examiner: MAUNG, Nay Aung

Filed: November 24, 2003

P.T.O. Confirmation No.: 9157

For: **UWB REPEATER AND UWB COMMUNICATION SYSTEM**

**INFORMATION DISCLOSURE STATEMENT**  
**PURSUANT TO 37 CFR 1.97(b)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

February 8, 2006

Sir:

The attention of the Patent and Trademark Office is hereby directed to the documents listed on the attached Form PTO-1449 and the applicant's concise explanation of the relevance. One copy of each of these documents is attached.

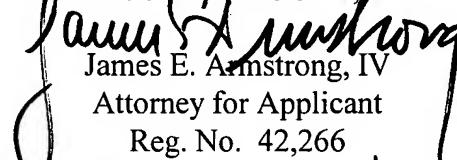
No fee or certification is required in connection with this Information Disclosure Statement, since it is being submitted prior to the issuance of a first official action on the merits or expiration of the three month period following the filing date or the entry of the national stage of the above-captioned application.

The above information is presented so that the Patent and Trademark Office can, in the first instance, determine any materiality thereof to the claimed invention. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the documents cited in the attached Form PTO-1449 be made of record therein and appear on the first page of any patent to issue therefrom.

The Commissioner is authorized to charge our Deposit Account No. 01-2340 for any fee which is deemed by the Patent and Trademark Office to be required to effect consideration of this statement.

Respectfully submitted,

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Atty. Docket No. **031290**  
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**23850**

PATENT TRADEMARK OFFICE

Enclosures: PTO-1449;  
Concise explanation of the relevance (1 sheet); and  
4 References.



**INFORMATION  
DISCLOSURE  
CITATION  
PTO-1449**

Atty. Docket No. 031290	Serial No. 10/719,028
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Applicant(s): NAKAGAWA, Masao
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Filing Date: November 24, 2003	Group Art Unit: 2684
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### U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Name	Date	Class	Subclass	Filing Date (If appropriate)
_____	AA					
_____	AB					
_____	AC					
_____	AD					
_____	AE					

### FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Translation (Yes or No)
_____	AF	60-235536	11/22/1985	Japan	Yes, Abstract only.
_____	AG	02/49378	06/20/2002	PCT	Yes.
_____	AH	04/077017	03/11/1992	Japan	Yes, Abstract only.
_____	AI	49/111502	10/24/1974	Japan	Prior application in US as US3,825,829.
_____	AJ				

### OTHER DOCUMENTS

_____	AK	
_____	AL	
Examiner		Date Considered



**The concise explanation of the relevance**

A Japan Patent Office examiner commented as follows regarding the enclosed reference JP-A-S 60-235536 and WO 02/49378:

JP-A-S60-235536 discloses a delayed pulse resending equipment (a repeater) for transmitting pulse signals, which are received, at transmitting timing different from the receiving timing by a pulse unit.

WO 02/49378 discloses repeating in a UWB system (see Fig. 9 and corresponding description.)